

**CLEANUP PROJECTS – CMI  
PROPOSED FUNDING BY COUNTY**

<b>County</b>	<b>Amount Proposed</b>	<b>Number of Sites</b>	<b>County</b>	<b>Amount Proposed</b>	<b>Number of Sites</b>
Allegan	\$250,000	1	Lenawee	\$250,000	1
Berrien	\$1,400,000	1	Livingston	\$2,200,000	3
Calhoun	\$870,000	1	Macomb	\$100,000	1
Cass	\$300,000	1	Monroe	\$4,300,000	2
Cheboygan	\$200,000	1	Muskegon	\$2,400,000	3
Chippewa	\$600,000	1	Oakland	\$450,000	2
Delta	\$150,000	1	Oscoda	\$1,000,000	1
Emmet	\$100,000	1	Otsego	\$100,000	1
Gladwin	\$300,000	2	Ottawa	\$200,000	1
Gratiot	\$5,500,000	2	Saginaw	\$25,000	1
Jackson	\$100,000	1	St. Clair	\$2,125,000	2
Kalamazoo	\$1,500,000	1	St. Joseph	\$3,100,000	2
Kent	\$1,997,401	6	Washtenaw	\$3,000,000	1
Keweenaw	\$500,000	1	Wayne	\$4,600,634	5
<b>Total 47 sites -- \$37,618,035</b>					

**PROPOSED CLEAN MICHIGAN INITIATIVE REDEVELOPMENT PROJECTS**  
(County Order)

Site Name and Address	County	Cost Estimate	Actions Needed
Detroit Riverfront Promenade Detroit	Wayne	\$2,000,634	Proposed actions include demolition of cement silos to facilitate redevelopment of riverfront promenade.
<b>Total</b>		<b>\$2,000,634</b>	

\*Work will be implemented in FY05.

**PROPOSED CLEAN MICHIGAN INITIATIVE IMMINENT AND SUBSTANTIAL ENDANGERMENT PROJECTS**  
(County Order)

<b>Site name</b>	<b>County</b>	<b>Cost Estimate</b>	<b>Actions Needed</b>
Pullman Oil Field 58 <sup>th</sup> Street Pullman	Allegan	\$250,000	Proposed actions include investigation of soil and groundwater chloride contamination.
Coloma DCPA Site* Becht Road & North Coloma Road Coloma	Berrien	\$1,400,000	Proposed actions include continuation of municipal water extensions where a pesticide called Dachtal has contaminated hundreds of residential drinking water wells.
Verona Well Field 250 Brigden Drive Battle Creek	Calhoun	\$870,000	Several volatile organic solvent contaminants were found in the city of Battle Creek's municipal water system and treatment systems were installed to address the contamination. Proposed actions include operation and maintenance of the groundwater and soil vapor extraction treatment systems.
Cass Street Edwardsburg	Cass	\$300,000	Dry cleaning operations caused contamination to neighboring wells. A soil vapor extraction treatment system was installed to address the contamination. Proposed actions include operation and maintenance of the treatment system.
992 South Main Cheboygan	Cheboygan	\$200,000	Perchloroethylene (PCE) contamination in the soil exceeds direct contact and indoor air criteria. Proposed actions include an investigation and response actions needed to protect public health and the environment.
Cannelton Industries South Street Sault Ste. Marie	Chippewa	\$600,000	Tannery operations caused contamination to the St. Mary's River and wetlands. Proposed actions include the state portion of a cost share agreement with liable parties to address soil/sediment contamination.
Gladstone Creosote Discharge Gladstone	Delta	\$150,000	At the state's request, the US Environmental Protection Agency (EPA) installed a treatment system to address high levels of polynuclear aromatic hydrocarbon compounds (PNA) along the shoreline of Lake Michigan. Proposed actions include operation and maintenance of the treatment system.

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**PROPOSED CLEAN MICHIGAN INITIATIVE IMMINENT AND SUBSTANTIAL ENDANGERMENT PROJECTS**  
(County Order)

<b>Site name</b>	<b>County</b>	<b>Cost Estimate</b>	<b>Actions Needed</b>
Petoskey Manufacturing Inc 200 W. Lake Street Petoskey	Emmet	\$100,000	Solvents and paint sludges contaminated the soil and groundwater with trichloroethylene (TCE) and dichloroethene. The contamination plume threatens the municipal water supply. A soil vapor extraction system was installed to address the contamination. Proposed actions include continued operation and maintenance of the treatment system.
Bentley Sludge Pit Bentley	Gladwin	\$150,000	Proposed actions include removal of soil contaminated from oil wells to protect public health and the environment.
Buckeye Sludge Pit	Gladwin	\$150,000	Proposed actions include removal of contaminated soil and sludges from oil well production operations to protect public health and the environment.
Pine R Downstream of St. Louis 500 Bankston Street St. Louis	Gratiot	\$1,500,000	EPA has conducted sediment removals to address contamination from the production of chemical compounds above the St. Louis dam. Proposed actions include lab analysis to determine the nature and extent of the contamination in the Pine River downstream of the St. Louis dam.
Velsicol Chemical Corporation 500 Bankston Street St. Louis	Gratiot	\$4,000,000	EPA will be installing a treatment system to address groundwater contamination from historical production of chemical compounds. Proposed actions include state match for the treatment system. Also, funds will be used to track movement of the contamination under the Pine River.
Spring Arbor Wash & Dry Spring Arbor Road Spring Arbor	Jackson	\$100,000	Tetrachloroethene, a solvent used for dry cleaning, has contaminated soil and drinking water supplies. A soil vapor extraction system was installed to remove solvent contamination from the soil. Proposed actions include continued monitoring of a limited Remedial Action Plan that restricts groundwater usage.
Portage Creek/Kalamazoo River Morrow Dam to Lake Michigan Kalamazoo	Kalamazoo	\$1,500,000	Paper manufacturing has caused PCB contamination along 80 miles of the river. Proposed actions include oversight of liable party actions, analytical sampling, and remedial planning.

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(County Order)

<b>Site name</b>	<b>County</b>	<b>Cost Estimate</b>	<b>Actions Needed</b>
Walker Oil Field*	Kent	\$250,000	Proposed actions include investigation of soil and groundwater contamination from chloride and petroleum hydrocarbons.
Butterworth #2 Landfill 1500 Butterworth S.W. Grand Rapids	Kent	\$500,000	Proposed actions include addressing acute and chronic groundwater/surface water interface exceedences and sampling for polychlorinated biphenyls (PCB) and mercury.
Franklin Metal Trading Corp (CEMSI) 1860 Alpine Grand Rapids	Kent	\$397,401	Foundry and manufacturing operations caused groundwater contamination with nickel and hex chrome above criteria. Proposed actions include design and installation of a groundwater treatment system to protect public health and the environment.
Millennium Park Oil Well Walker	Kent	\$500,000	Crude oil has leaked from oil wells that are under 20 feet of water in a lake. Proposed actions include plugging the oil wells to protect public health and the environment.
Spartan Chemical Co. 2539 28 <sup>th</sup> Street S.W. Wyoming	Kent	\$200,000	Operations of a bulk chemical transfer and repackaging plant have caused groundwater contamination. Proposed actions include state match for EPA installation of a groundwater treatment system.
Hoff Industries 719 Prospect Grand Rapids	Kent	\$150,000	Proposed actions include demolition of a building with significant structural deterioration that poses a safety hazard to the public.
Gay Stampsands Gay	Keweenaw	\$500,000	Copper mining has caused contamination along several miles of Lake Superior shoreline. Proposed actions include a feasibility study and design for a treatment system to address the contamination and prevent further migration.
Adrian Silos 349 Logan Street Adrian	Lenawee	\$250,000	Proposed actions include demolition of abandoned silos that pose a hazard to public safety.
Shiawassee River M59 to State Road Howell	Livingston	\$1,000,000	The manufacture of aluminum cast wheels has caused high levels of PCB in river sediments. Proposed actions include sediment removal to protect public health and the environment.

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**PROPOSED CLEAN MICHIGAN INITIATIVE IMMINENT AND SUBSTANTIAL ENDANGERMENT PROJECTS**  
(County Order)

<b>Site name</b>	<b>County</b>	<b>Cost Estimate</b>	<b>Actions Needed</b>
Whitmore Lake Rd Chlorides Brighton	Livingston	\$700,000	Residential wells were found to be contaminated with elevated concentrations of sodium and chloride. Proposed actions include municipal water main extension and connections to protect public health.
Diamond Chrome* 604 S. Michigan Avenue Howell	Livingston	\$500,000	Contamination from plating operations is discharging to surface water and threatening local drinking water supplies. Proposed actions include removal of the contamination source, lining of storm sewer, installation of groundwater intercept trench, and treatment of groundwater.
10 Mile Drain Area St. Clair Shores	Macomb	\$100,000	PCB contamination was found entering the drain. EPA has begun remedial actions, however, the source of contamination has not been addressed and high levels of PCB remain in the soil. Proposed actions include source area characterization and control. State actions are contingent upon EPA actions.
Consolidated Packaging Corp 1521 E. Front Street Monroe	Monroe	\$4,000,000	Proposed actions include remediation of PCB contaminated lagoon sludge from paper manufacturing operations next to the Raisin River.
Darling Rd Dump Site 13920 Darling Road Milan	Monroe	\$300,000	Approximately 2800 drums containing paint wastes, flammable solids, flammable liquids, PCBs, lead, and zinc were removed from the site. Contaminated soil and groundwater still remain and impact the Sugar Creek drain. Proposed actions include soil/sediment removal to protect public health and the environment.
Broton Road Area GW Contamination Muskegon	Muskegon	\$500,000	Proposed actions include conducting an investigation of the extent and distribution of groundwater contamination from chlorinated solvents and potential impact to residential wells.
Story Chemical Co Ott Cordova 500 Agard Road North Muskegon	Muskegon	\$600,000	A groundwater-extraction system was installed to stop the discharge of groundwater contaminated with organic chemicals to the creek and to remediate the groundwater contaminant plume. Proposed actions include continued operation and maintenance of the treatment system.

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(County Order)

<b>Site name</b>	<b>County</b>	<b>Cost Estimate</b>	<b>Actions Needed</b>
Green Ridge Subdivision 401 Center South Haven	Muskegon	\$1,300,000	Oil well production caused contamination which threatens residential wells in a subdivision. Proposed actions include municipal water connections to protect public health.
North Oxford Area GW Contamination 5 N. Glaspie Street Oxford	Oakland	\$350,000	Proposed actions include a soil and groundwater investigation of the extent of free petroleum product and to assess the potential for impact to municipal wells from chlorinated solvents.
Waterford Hills Sanitary LF 7900 Gale Road Waterford	Oakland	\$100,000	Proposed actions include maintenance of the landfill cap and leachate collection system to protect public health and the environment.
Hoskins Manufacturing 830 E. Kittle Road Mio	Oscoda	\$1,000,000	High concentrations of PCE and chromium are in the soil and groundwater from the manufacture of thermoelectric nickel and chromium alloys in the form of wire, strip and ribbon. Proposed actions include an investigation to determine the extent of contamination and conducting remedial activities to protect public health and the environment.
Stevenson Oil Company Chester Township	Otsego	\$100,000	Proposed actions include plugging an oil well and removal of contaminated soil to protect public health and the environment.
Fenske LF Ottawa Co 2637 Wilson Avenue Grandville	Ottawa	\$200,000	Proposed actions include operation and maintenance of groundwater and leachate treatment systems to protect public health and the environment.
Ferro Met Salvage Yard 1011 N. Washington Saginaw	Saginaw	\$25,000	Scrap metal processing has caused PCB and metal contamination in groundwater and soil which exceed drinking water, direct contact, and GSI criteria. The site is within 700 feet of the Saginaw River. Proposed actions include sampling to facilitate decision making and coordination with EPA.

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<b>Site name</b>	<b>County</b>	<b>Cost Estimate</b>	<b>Actions Needed</b>
Huron Development Landfill Springborn & Indian Trail China Township	St. Clair	\$125,000	Proposed actions include maintenance of the landfill cap to manage leachate and protect public health and the environment.
Winchester Disposal 3521 Petit Street Port Huron	St. Clair	\$2,000,000	Proposed actions include installation of a landfill cap to prevent releases of vinyl chloride and other contaminants into the wetlands and to mitigate the direct contact hazards associated with exposed landfill cells and uncontrolled releases to the wetlands.
Leonidas Area Wells	St. Joseph	\$100,000	High sodium levels threaten residential wells. Proposed actions include installation of alternate water source for residences.
Park Township Dachtahl (DCPA)* Wilbur and Kipker Roads Three Rivers	St. Joseph	\$3,000,000	Proposed actions include continuation of municipal water extensions within an eight square mile area where a pesticide called Dachtal has contaminated hundreds of residential drinking water wells.
Armens Cleaners 630 S. Ashley Ann Arbor	Washtenaw	\$3,000,000	Proposed actions include remediation of soil and groundwater contaminated with chlorinated solvents from a dry cleaning operations. Contaminated groundwater threatens indoor air in neighborhood buildings.
Cyanokem 12345 Schaefer Detroit	Wayne	\$200,000	The site is contaminated with cyanide wastes from a hazardous waste treatment facility. This project includes removal of the contaminated soil and operation and maintenance of a groundwater treatment system to protect public health and the environment.
CYB Tool (former)* 42056 Michigan Avenue Canton	Wayne	\$700,000	Plating operations have caused contamination down to 17 feet below grade and threatens the Rouge River. Proposed actions include sludge stabilization to protect public health and the environment.
Wayne County/Detroit Area Historical Smelter Project*	Wayne	\$1,500,000	Proposed actions include removal of lead contaminated soil that poses a health hazard in residential areas resulting from historical lead smelters.

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<b>Site name</b>	<b>County</b>	<b>Cost Estimate</b>	<b>Actions Needed</b>
Downriver Soil Assessment Project	Wayne	\$200,000	Proposed actions include investigation of soil metals contamination resulting from decades of air emissions from area industries.
<b>Total</b>		<b>\$35,617,401</b>	

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